ABSTRACT

A scalable graphical user interface architecture for scaling a device platform independent application graphical user interface to the display screen of any of a plurality of heterogeneous device platforms is disclosed. The scalable graphical user interface architecture comprises a scalable graphical user interface library module, a customizing module and a render manager module. The device platform independent application graphical user interface is operable to initiate the creation of an instance of an intermediate representation of the application graphical user interface. The scalable graphical user interface library module is utilized by the device platform independent application graphical user interface during creation of the instance of the intermediate representation. The customizing module is operable to customize the intermediate representation as a function of one of the heterogeneous device platforms. The render manager module is operable to traverse the intermediate representation to produce a device platform dependent application graphical user interface on a display screen of said one of the heterogeneous device platforms.